Title: METHODS FOR THE PRODUCTION OF REDOX PROTEINS.
Applicant: van Rooijen et al.
Serial No. 10/032,201 Filed: December 19, 2001
Our Docket No.: 38814-351B

```
                   10        20        30        40        50        60
TR        ATGAATGGTCTCGAAACTCACAACACAAGGCTCTGTATCGTAGGAAGTGGCCCAGCGGCA
ATTHIREDB ATGAATGGTCTCGAAACTCACAACACAAGGCTCTGTATCGTAGGAAGTGGCCCAGCGGCA

                   70        80        90       100       110       120
TR        CACACGGCGGCGATTTACGCAGCTAGGGCTGAACTTAAACCTCTTCTCTTCGAAGGATGG
ATTHIREDB CACACGGCGGCGATTTACGCAGCTAGGGCTGAACTTAAACCTCTTCTCTTCGAAGGATGG

                  130       140       150       160       170       180
TR        ATGGCTAACGACATCGCTCCCGGTGGTCAACTAACAACCACCACCGACGTCGAGAATTTC
ATTHIREDB ATGGCTAACGACATCGCTCCCGGTGGTCAACT--CAACCAACCACCGCGT-GAGAATTTC

                  190       200       210       220       230       240
TR        CCCGGATTTCCAGAAGGTATTCTCGGAGTAGAGCTCACTGACAAATTCCGTAAACAATCG
ATTHIREDB CCCGGATTTCCAGAAGGTATTCTCGGAGTAGAGCTCACTGACAAATTCCGTAAACAATCG

                  250       260       270       280       290       300
TR        GAGCGATTCGGTACTACGATATTTACAGAGACGGTGACGAAAGTCGATTTCTCTTCGAAA
ATTHIREDB GAGCGATTCGGTACTACGATATTTACAGAGACGGTGACGAAAGTCGATTTCTCTTCGAAA

                  310       320       330       340       350       360
TR        CCGTTTAAGCTATTCACAGATTCAAAAGCCATTCTCGCTGACGCTGTGATTCTCGCTACT
ATTHIREDB CCGTTTAAGCTATTCACAGATTCAAAAGCCATTCTCGCTGACGCTGTGATTCTCGCTATC

                  370       380       390       400       410       420
TR        GGAGCTGTGGCTAAGCGGCTTAGCTTCGTTGGATCTGGTGAAGGTTCTGGAGGTTTCTGG
ATTHIREDB GGAGCTGTGGCTAAGTGGCTTAGCTTCGTTGGATCTGGTGAAGTTCTCGGAGGTTTGTGG

                  430       440       450       460       470       480
TR        AACCGTGGAATCTCCGCTTGTGCTGTTTGCGACGGAGCTGCTCCGATATTCCGTAACAAA
ATTHIREDB AACCGTGGAATCTCCGCTTGTGCTGTTTGCGACGGAGCTGCTCCGATATTCCGCAACAAA

                  490       500       510       520       530       540
TR        CCTCTTGCGGTGATCGGTGGAGGCGATTCAGCAATGGAAGAAGCAAACTTTCTTACAAAA
ATTHIREDB CCTCTTGCGGTGATCGGTGGAGGCGATTCTGCAATGGAAGAAGCAAACTTTCTTACAAAA

                  550       560       570       580       590       600
TR        TATGGATCTAAAGTGTATATAATCCATAGGAGAGATGCTTTTAGAGCGTCTAAGATTATG
ATTHIREDB TATGGATCTAAAGTGTATATAATCGATAGGAGAGATGCTTTTAGAGCGTCTAAGATTATG

                  610       620       630       640       650       660
TR        CAGCAGCGAGCTTTGTCTAATCCTAAGATTGATGTGATTTGGAACTCGTCTGTTGTGGAA
ATTHIREDB CAGCAGCGAGCTTTGTCTAATCCTAAGATTGATGTGATTTGGAACTCGTCTGTTGTGGAA

                  670       680       690       700       710       720
TR        GCTTATGGAGATGGAGAAAGAGATGTGCTTGGAGGATTGAAAGTGAAGAATGTGGTTACC
ATTHIREDB GCTTATGGAGATGGAGAAAGAGATGTGCTTGGAGGATTGAAAGTGAAGAATGTGGTTACC

                  730       740       750       760       770       780
TR        GGAGATGTTTCTGATTTAAAAGTTTCTGGATTGTTCTTTGCTATTGGTCATGAGCCAGCT
ATTHIREDB GGAGATGTTTCTGATTTAAAAGTTTCTGGATTGTTCTTTGCTATTGGTCATGAGCCAGCT

                  790       800       810       820       830       840
TR        ACCAAGTTTTTGGATGGTGGTGTTGAGTTAGATTCGGATGGTTATGTTGTCACGAAGCCT
ATTHIREDB ACCAAGTTTTTGGATGGTGGTGTTGAGTTAGATTCGGATGGTTATGTTGTCACGAAGCCT

                  850       860       870       880       890       900
TR        GGTACTACACAGACTAGCGTTCCCGGAGTTTTCGCTGCGGGTGATGTTCAGGATAAGAAG
ATTHIREDB GGTACTACACAGACTAGCGTTCCCGGAGTTTTCGCTGCGGGTGATGTTCAGGATAAGAAG

                  910       920       930       940       950       960
TR        TATAGGCAAGCCATCACTGCTGCAGGAACTGGGTGCATGGCAGCTTTGGATGCAGAGCAT
ATTHIREDB TATAGGCAAGCCATCACTGCTGCAGGAACTGGGTGCATGGCAGCTTTGGATGCAGAGCAT

                  970       980       990      1000      1010      1020
TR        TACTTACAAGAGATTGGATCTCAGCAAGGTAAGAGTGATTGA
ATTHIREDB TACTTACAAGAGATTGGATCTCAGCAAGGTAAGAGTGATTGA
```

FIG. 1

```
                                           10                  20                  30                  40                  50                  60
Translation of ATTHIREDB M N G L E T H N T R L C I V G S G P A A H T A A I Y A A R A E L K P L L F E G W M A N D I A P G G Q L N Q P P - R E N F
Translation of TR        M N G L E T H N T R L C I V G S G P A A H T A A I Y A A R A E L K P L L F E G W M A N D I A P G G Q L T T T T D V E N F

                                           70                  80                  90                 100                 110                 120
Translation of ATTHIREDB P G F P E G I L G V E L T D K F R K Q S E R F G T T I F T E T V T K V D F S S K P F K L F T D S K A I L A D A V I L A I
Translation of TR        P G F P E G I L G V E L T D K F R K Q S E R F G T T I F T E T V T K V D F S S K P F K L F T D S K A I L A D A V I L A T

                                          130                 140                 150                 160                 170                 180
Translation of ATTHIREDB G A V A K W L S F V G S G E V L G G L W N R G I S A C A V C D G A A P I F R N K P L A V I G G G D S A M E E A N F L T K
Translation of TR        G A V A K R L S F V G S G E G S G G F W N R G I S A C A V C D G A A P I F R N K P L A V I G G G D S A M E E A N F L T K

                                          190                 200                 210                 220                 230                 240
Translation of ATTHIREDB Y G S K V Y I I D R R D A F R A S K I M Q Q R A L S N P K I D V I W N S S V Y E A Y G D G E R D V L G G L K V K N V V T
Translation of TR        Y G S K V Y I I H R R D A F R A S K I M Q Q R A L S N P K I D V I W N S S V Y E A Y G D G E R D V L G G L K V K N V V T

                                          250                 260                 270                 280                 290                 300
Translation of ATTHIREDB G D V S D L K V S G L F F A I G H E P A T K F L D G G V E L D S D G Y V V T K P G T T Q T S V P G V F A A G D V Q D K K
Translation of TR        G D V S D L K V S G L F F A I G H E P A T K F L D G G V E L D S D G Y V V T K P G T T Q T S V P G V F A A G D V Q D K K

                                          310                 320                 330                 340                 350                 360
Translation of ATTHIREDB Y R Q A I T A A G T G C M A A L D A E H Y L Q E I G S Q Q G K S D
Translation of TR        Y R Q A I T A A G T G C M A A L D A E H Y L Q E I G S Q Q G K S D
```

FIG. 2

Title: METHODS FOR THE PRODUCTION OF REDOX PROTEINS.
Applicant: van Rooijen et al.
Serial No. 10/032,201 Filed: December 19, 2001
Our Docket No.: 38814-351B

```
                                       10                            20                            30                            40                            50
M.lep TR/Trxh        M N T T P S A H E T I H E V I V I G S G P A G Y T A A L Y A A R A Q L T P L V F E G - - - - - T S F
Arab TR-link-Trxh    M N G L E T H N T - - - R L C I V G S G P A A H T A A I Y A A R A E L K P L L F E G W M A N D I A P

                                       60                            70                            80                            90                           100
M.lep TR/Trxh        G G A L M T T T E V E N Y P G F R N G I T G P E L M D D M R E Q A L R F G A E L R T E D V E S V S L
Arab TR-link-Trxh    G G Q L T T T T D V E N F P G F P E G I L G V E L T D K F R K Q S E R F G T T I F T E T V T K V D F

                                      110                           120                           130                           140                           150
M.lep TR/Trxh        R G P I K S V V T A E G Q T Y Q A R A V I L A M G T S V R Y L Q I P G E Q E - - - - L L G R G V S A
Arab TR-link-Trxh    S S K P F K L F T D S - K A I L A D A V I L A T G A V A K R L S F V G S G E G S G G F W N R G I S A

                                      160                           170                           180                           190                           200
M.lep TR/Trxh        C A T C D G S - - F F R G Q D I A V I G G G D S A M E E A L F L T R F A R S V T L V H R R D E F R A
Arab TR-link-Trxh    C A V C D G A A P I F R N K P L A V I G G G D S A M E E A N F L T K Y G S K V Y I I H R R D A F R A

                                      210                           220                           230                           240                           250
M.lep TR/Trxh        S K I M L G R A R N N D K I K F I T N H T V V A V N G - - - Y T T V T G L R L R N T T T G E E T T L
Arab TR-link-Trxh    S K I M Q Q R A L S N P K I D V I W N S S V V E A Y G D G E R D V L G G L K V K N V V T G D V S D L

                                      260                           270                           280                           290                           300
M.lep TR/Trxh        V V T G V F V A I G H E P R S S L V S D V V D I D P D G Y V L V K G R T T S T S M D G V F A A G D L
Arab TR-link-Trxh    K V S G L F F A I G H E P A T K F L D G G V E L D S D G Y V V T K P G T T Q T S V P G V F A A G D V

                                      310                           320                           330                           340                           350
M.lep TR/Trxh        V D R T Y R Q A I T A A G S G C A A A I D A E R W L A E H A G S K A N E T T E E T G D V D S T D T T
Arab TR-link-Trxh    Q D K K Y R Q A I T A A G T G C M A A L D A E H Y L Q E I A G S K A N E T T E E T G D V D S T D T T

                                      360                           370                           380                           390                           400
M.lep TR/Trxh        D W S T A M T D - - - - A K N A G V T I E V T D A S F F A D V L S S N K P - - - - V L V D F W A T W
Arab TR-link-Trxh    D W S T A M E E G Q V I A C E E G Q V I A C H T V E T W N E Q L Q K A N E S K T L V V V D F T A S W

                                      410                           420                           430                           440                           450
M.lep TR/Trxh        C G P C K M V A P V L E E I A S E Q R N Q L T V A K L D V D T N P E M A R E F Q V V S I P T M I L F
Arab TR-link-Trxh    C G P C R F I A P F F A D L A K K L P N - V L F L K V D T D E L K S V A S D W A I Q A M P T F M F L

                                      460                           470                           480                           490                           500
M.lep TR/Trxh        Q G G Q P V K R I V G A K G K A A L L R D L S D V V P N L N
Arab TR-link-Trxh    K E G K I L D K V V G A K - K D E L Q S T I A K H L A
```

FIG. 3

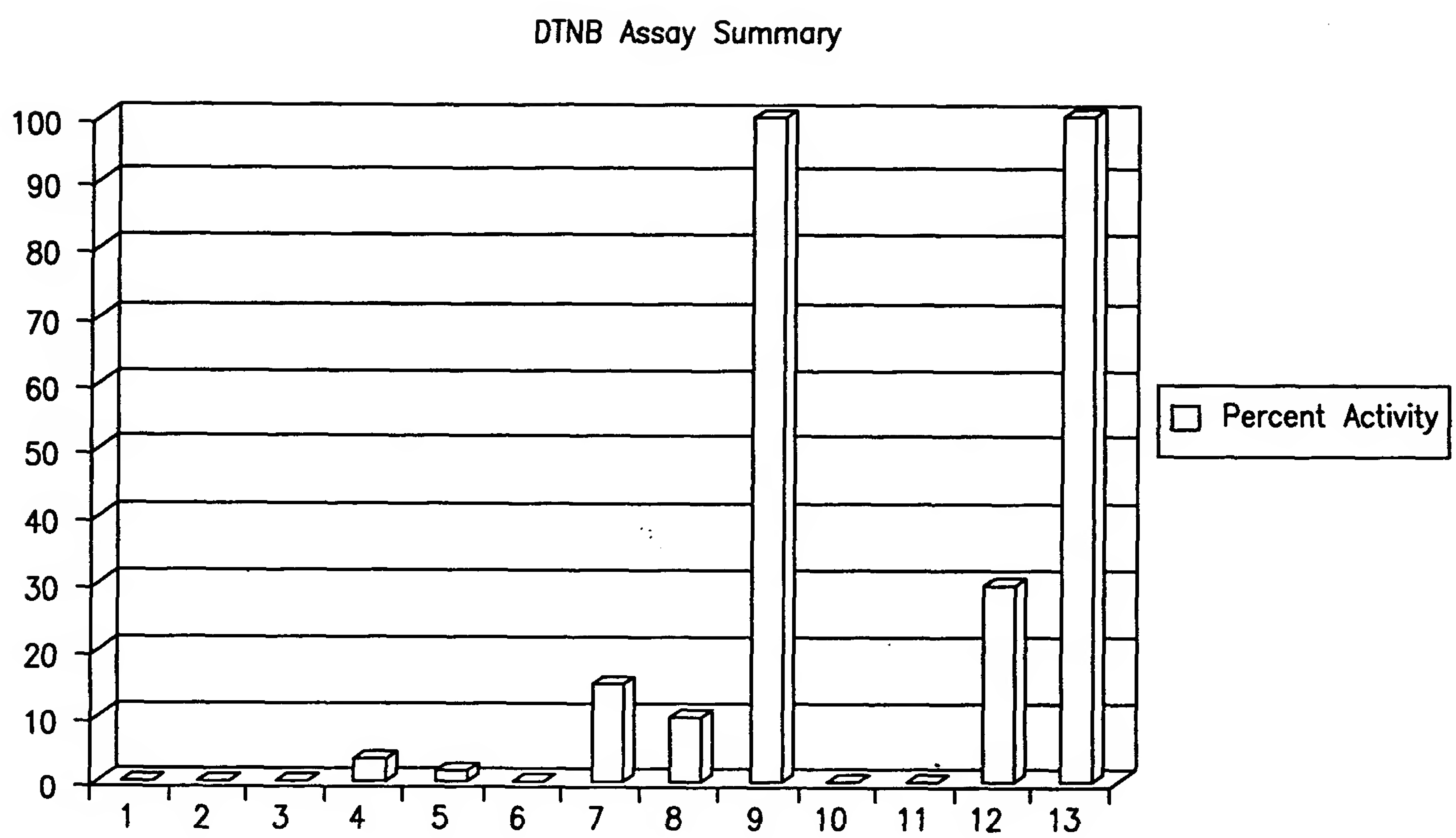
DTNB Assay Summary
100
90
80
70
60
50
40
30
20
10
0
1
2
3
4
5
6
7
8
9
10
11
12
13
Percent Activity

FIG. 4

HETEROMULTIMERS

Class	Heteromultimer	Example sequence reference for heteromultimeric subunits
Biosynthetic	3-methyl-2-oxobutanoate dehydrogenase (2-oxoisovalerate dehydrogenase (lipoamide))– E1 component)	McKean, *et al.* Biochim. Biophys. Acta (1992) 1171:109-112 / Chuang,J.L., *et al.*. FEBS Lett. a (1990) 262 (2), 305-309.
Biosynthetic	3-oxoadipate CoA-transferase	Parales, R.E. and Harwood, S.C. J. Bacteriol. (1992) 174:4657-4666
Biosynthetic	anthranilate synthase:indole-3-glycerol phosphate synthase	Zalkin, H.; *et al.* J. Biol. Chem. (1984) 259:3985-3992 .
Biosynthetic	beta-ketoacyl-[acyl carrier protein] synthase I	Siggaard-Andersen, M. *et al.* Proc. Natl. Acad. Sci. U.S.A. (1991) 88:4114-4118
Biosynthetic	butyrate--acetoacetate CoA-transferase	Fischer,R.J., *et al.* J. Bacteriol. (1993) 175 (21), 6959-6969.
Biosynthetic	cAMP dependent protein kinase	Mutzel, R *et al.* Proc. Natl. Acad. Sci. U.S.A. (1987) 84:6-10./ Burki,E., *et al.* Gene (1991) 102 (1), 57-65.
Biosynthetic	carbamoyl-phosphate synthase	Shigenobu,S., *et al.* Nature. (2000) 407 (6800), 81-86.
Biosynthetic	Creatine kinase	Billadello, J.J.; *et al.* Biochem. Biophys. Res. Commun. (1986) 138:392-398. / Roman, D.; *et al.* Proc. Natl. Acad. Sci. U.S.A. (1985) 82:8394-8398.
Biosynthetic	gamma-glutamyltransferase (gamma-glutamyl transpeptidase)	Papandrikopoulou, A.; *et al.* Eur. J. Biochem. (1989) 183:693-698.
Biosynthetic	glutathione transferase	Morrow, C.S. *et al.* Gene (1989) 75:3-11
Biosynthetic	glycerol-3-phosphate dehydrogenase	Cole, S.T. *et al.* J. Bacteriol. (1988) 170:2448-2456.
Biosynthetic	guanylate cyclase	Hinsch, K.D. *et al.* FEBS Lett. (1988) 239:29-34/ Koesling, D. *et al.* FEBS Lett. (1990) 266:128-132.
Biosynthetic	heterodisulfide reductase	Smith,D.R., *et al.* J. Bacteriol. (1997) 179 (22), 7135-7155.
Biosynthetic	human cathepsin	Ritonja, A. *et al.* FEBS Lett. (1988) 228:341-345.
Biosynthetic	Hydrogenase	Menon, N.K. *et al.* J. Bacteriol. (1990) 172:1969-1977.
Biosynthetic	Meprin A	Johnson, G.D. and Hersh, L.B. J. Biol. Chem. (1992) 267:13505-13512.
Biosynthetic	methionine adenosyltransferase	Horikawa, S.; Tsukada, K. FEBS Lett. (1992) 312:37-41.
Biosynthetic	methylmalonyl-CoA mutase	Jackson, C.A. *et al.* Gene (1995) 167:127-132.
Biosynthetic	mitochondrial processing peptidase	Pollock, R.A. *et al.* EMBO J. (1988) 7:3493-3500.
Biosynthetic	Na+/K+-exchanging ATPase	Shull,G.E., *et al.* Biochemistry (1986) 25 (25), 8125-8132./Mercer,R.W., *et al.* Mol. Cell. Biol. (1986) 6 (11), 3884-3890./ Mercer,R.W., *et al.* J. Cell Biol. (1993) 121 (3), 579-586.
Biosynthetic	NAD(+)-dependent isocitrate dehydrogenase	Cupp, J.R. and McAlister-Henn, L. J. Biol. Chem. (1992) 267:16417-16423. /Cupp, J.R. and McAlister-Henn, L. J. Biol. Chem. (1991) 266:22199-22205.
Biosynthetic	phosphoribosylformylglycinamidine synthase	Ebbole, D.J.; Zalkin, H. J. Biol. Chem. (1987) 262:8274-8287.
Biosynthetic	protocatechuate 3,4-dioxygenase	Frazee, R.W.; *et al.* J. Bacteriol. (1993) 175:6194-6202.
Biosynthetic	S-100 protein	Engelkamp, D.; *et al.* Biochemistry (1992)

FIG. 5A

		31:10258-10264. / Allore, R.J.; *et al.* J. Biol. Chem. (1990) 265:15537-15543.
Biosynthetic	sucrose--fructan 6-fructosyltransferase	Sprenger, N.; *et al.* Proc. Natl. Acad. Sci. U.S.A. (1995) 92:11652-11656.
Biosynthetic	Superoxide dismutase	Capo, C.R.; *et al.* Biochem. Biophys. Res. Commun. (1990) 173:1186-1193.
Biosynthetic	Urease	Labigne, A.; *et al.* J. Bacteriol. (1991) 173:1920-1931.
Biosynthetic	urokinase-type plasminogen activator (urokinase)	Belin, D. *et al.* Eur. J. Biochem. (1985) 148:225-232.
Biosythetic	methylmalonyl-coenzyme A mutase	Birch,A., *et al.*. J. Bacteriol. (1993) 175 (11), 3511-3519.
Calcium binding	Calcineurin	Muramatsu,T. and Kincaid,R.L. Biochim. Biophys. Acta (1993) 1178 (1), 117-120 / Guerini, D. *et al.* DNA (1989) 8:675-682.
Calcium binding	Calgranulin	Imamichi, T. *et al.* Biochem. Biophys. Res. Commun. (1993) 194:819-825.
Calcium binding	Calpain	Aoki, K. *et al.* FEBS Lett. (1986) 205:313-317.
DNA binding	AP1	van Straaten,F., *et al.* Proceedings of the National Academy of Sciences of the United States of America. (1983) 80 (11), 3183-3187. /Hattori,K., *et al* Proceedings of the National Academy of Sciences of the United States of America. (1988) 85 (23), 9148-9152.
DNA binding	cMyc-Max	Schreiber-Agus,N *et al.* Mol. Cell. Biol. (1993) 13 (5), 2765-2775.
DNA binding	DNA binding protein HU-1/HU-2	Laine, B. *et al.* Eur. J. Biochem. (1980) 103:447-461.
DNA binding	hepatic nuclear factor 1	Bach,I. *et al.* Nucleic Acids Res. (1992) 20 (16), 4199-4204. / Rey-Campos,J. *et al.* EMBO J. (1991) 10 (6), 1445-1457.
DNA binding	Integration host factor	Miller,H.I. Cold Spring Harbor symposia on quantitative biology. (1984) 49, 691-698. / Flamm, E. and Weisberg, R.A. J. Mol. Biol. (1985) 183:117-128.
DNA binding	Ku	Reeves,W.H. and Sthoeger,Z.M. J. Biol. Chem. (1989) 264 (9), 5047-5052. / J. Biol. Chem. (1989) 264 (23), 13407-13411.
DNA binding	MutS	Bocker *et al.* 1999. Cancer Research 59, 816-822.
DNA binding	NF-E2	Chan,J.Y. *et al.*. Proc. Natl. Acad. Sci. U.S.A. (1993) 90 (23), 11366-11370./ Toki,T., *et al.* Oncogene (1997) 14 (16), 1901-1910.
DNA binding	nuclear factor kB (NFkB)	Kieran M, *et al.* Cell. (1990) Sep 7;62(5):1007-18. / Ruben SM, *et al.* Science (1991) Mar 22;251(5000):1490-3. Erratum in: Science (1991) Oct 4;254(5028):11
Electron transport	corrinoid/iron-sulfur protein	Lu, W.P. *et al.* J. Biol. Chem. (1993) 268:5605-5614.
Electron transport	cytochrome d ubiquinol oxidase	Green, G.N. *et al.* J. Biol. Chem. (1988) 263:13138-13143.
Electron transport	cytochrome-c3 hydrogenase	Menon, N.K. *et al.* J. Bacteriol. (1987) 169:5401-5407.
Electron transport	electron transfer flavoprotein	Finocchiaro, G. *et al.* Biol. Chem. (1988) 263:15773-15780. / Finocchiaro, G. *et al.* Eur. J. Biochem. (1993) 213:1003-1008.

FIG. 5B

Electron transport	xylene monooxygenase	Shaw, J.P. and Harayama, S. Eur. J. Biochem. (1992) 209:51-61. / Kasai,Y., *et al.* J. Bacteriol. (2001) 183 (22), 6662-6666.
Growth factor	hepatocyte growth factor	Nakamura, T. *et al.* Nature (1989) 342:440-443.
Growth factor	human chorionic gonadotropin	Morgan,F.J. *et al.* J. Biol. Chem. (1975) 250 (13), 5247-5258.
Growth factor	Platelet-derived growth factor	Takimoto,Y., *et al.* Hiroshima J. Med. Sci. (1993) 42 (1), 47-52./ Josephs,S.F., *et al.* Science (1984) 225 (4662), 636-639.
Hormone	Bombyxin	Adachi, T. *et al.* J. Biol. Chem. (1989) 264:7681-7685.
Hormone	Follicle stimulating hormone	Fiddes,J.C. and Goodman,H.M. J. Mol. Appl. Genet. (1981) 1 (1), 3-18. / Watkins,P.C., *et al.* DNA (1987) 6 (3), 205-212.
Hormone	Insulin	Bell,G.I., Pictet,R.L., Rutter,W.J., Cordell,B., Tischer,E. and Goodman,H.M. Sequence of the human insulin gene. Nature. 284 (5751), 26-32 (1980)
Hormone	Luteinizing Hormone	Fiddes,J.C. and Goodman,H.M. J. Mol. Appl. Genet. (1981) 1 (1), 3-18. / Shome,B. and Parlow,A.F. J. Clin. Endocrinol. Metab. (1973) 36 (3), 618-621.
Hormone	Thyroid stimulating hormone	Fiddes,J.C. and Goodman,H.M. J. Mol. Appl. Genet. (1981) 1 (1), 3-18. / Hayashizaki Y, *et al.* FEBS Lett. (1985) 188 (2), 394-400.
Immune	B-cell antigen receptor complex	Hashimoto,S. *et al.* J. Immunol. (1993) 150 (2), 491-498. / Flaswinkel,H. and Reth,M. Immunogenetics (1992) 36 (4), 266-269.
Immune	Cell surface CD8 molecules	Ureta-Vidal,A., *et al.* Immunogenetics (1999) 49 (7-8), 718-721.
Immune	human complement subcomponent C1q	Sellar, G.C. *et al.* Biochem. J. (1991) 274:481-490.
Immune	T cell receptor	Talken,B.L. *et al.* Scand. J. Immunol. (2001) 54 (1-2), 204-210.
Photosynthesis	C-phycocyanin	Offner, G.D. *et al.* J. Biol. Chem. (1981) 256:12167-12175. / Troxler, R.F. *et al.* J. Biol. Chem. (1981) 256:12176-12184.
Photosynthesis	ferroredoxin-thioredoxin reductase	Chow, L.P. *et al.* Eur. J. Biochem. (1995) 231:149-156. / Iwadate, H. *et al.* Eur. J. Biochem. (1994) 223:465-471.
Photosynthesis	Light harvesting complex I	Proc. Natl. Acad. Sci. U.S.A. (1984) 81, 189-192.
Photosynthetic	cytochrome b559	Carrillo, N. *et al.* Curr Genet. 1986;10(8):619-24.
Protease	ATP-dependent Clp protease	Gerth, U. *et al.* Gene (1996) 181:77-83. / Kunst,F. *et al.* Nature (1997) 390 (6657), 249-256.
Receptor	alpha-2-macroglobulin receptor	Strickland, D.K. *et al.* J. Biol. Chem. (1990) 265:17401-17404. / Strickland, D.K. *et al.* J. Biol. Chem. (1991) 266:13364-13369.
Receptor	Interleukin-2 receptor	Ishida, N. *et al.* Nucleic Acids Res. (1985) 13:7579-7589. / Hatakeyama, M. *et al.* Science (1989) 244:551-556 / Takeshita, T. *et al.* Science (1992) 257:379-382.
Receptor	platelet-derived growth factor receptor	Lee, K.H. *et al.* Mol. Cell. Biol. (1990) 10:2237-2246. / Herren,B. *et al.* Biochim. Biophys. Acta 1173 (3), 294-302 (1993).
Structural	Hemoglobin	Heindell,H.C. *et al.* Cell (1978) 15 (1), 43-54. /

FIG. 5C

		Best,J.S. *et al.* Hoppe-Seyler's Z. Physiol. Chem. (1989) 350 (5), 563-580. / Hardison,R.C. J. Biol. Chem. (1981) 256 (22), 11780-11786.
Structural	human platelet glycoprotein Ib	Wenger,R.H. *et al.* Biochem. Biophys. Res. Commun. (1988) 156 (1), 389-395. / Yagi,M. *et al.* J. Biol. Chem. (1994) 269 (26), 17424-17427.
Structural	Plasma fibronectin	Kornblihtt, A.R. *et al.* Proc. Natl. Acad. Sci. U.S.A. (1983) 80:3218-3222.
Structural	Spectrin	Sahr, K.E. *et al.* J. Biol. Chem. (1990) 265:4434-4443. / Winkelmann, J.C. *et al.* J. Biol. Chem. (1990) 265:11827-11832.
Structural	Tubulin	Ponstingl, H. *et al.* Proc. Natl. Acad. Sci. U.S.A. (1981) 78:2757-2761. / Krauhs, E. *et al.* Proc. Natl. Acad. Sci. U.S.A. (1981) 78:4156-4160.
Toxin	Agkisacutacin	Cheng,X. *et al.* Biochem. Biophys. Res. Commun. (1999) 265 (2), 530-535.
Toxin	Beta bungarotoxins	Kondo, K. *et al.* J. Biochem. (1978) 83:101-115.
Toxin	Crotoxin	Bouchier,C. *et al.* Nucleic Acids Res. (1988) 16 (18), 9050.
Toxin	Mojave toxin	John, T.R. *et al.* Gene (1994) 139:229-234.
Toxin	venom protein C9S3	Rowan, E.G. *et al.* Nucleic Acids Res. (1990) 18:1639. / Joubert, F.J. and Viljoen, C.C. Hoppe-Seyler's Z. Physiol. Chem. (1979) 360:1075-1090.
Miscellaneous	Inhibin	Forage, R.G. *et al.* Proc. Natl. Acad. Sci. U.S.A. (1986) 83:3091-3095.
Miscellaneous	Monellin	Frank, G. and Zuber, H. Hoppe-Seyler's Z. Physiol. Chem. (1976) 357:585-592.
Miscellaneous	mRNA capping enzyme	Niles, E.G. *et al.*, J. Virology (1986) 153:96-112.
Miscellaneous	Soybean insulin-binding protein si30	Barbashov, S.F. *et al.* Bioorg. Khim. (1991) 17:421-423.

FIG. 5D